

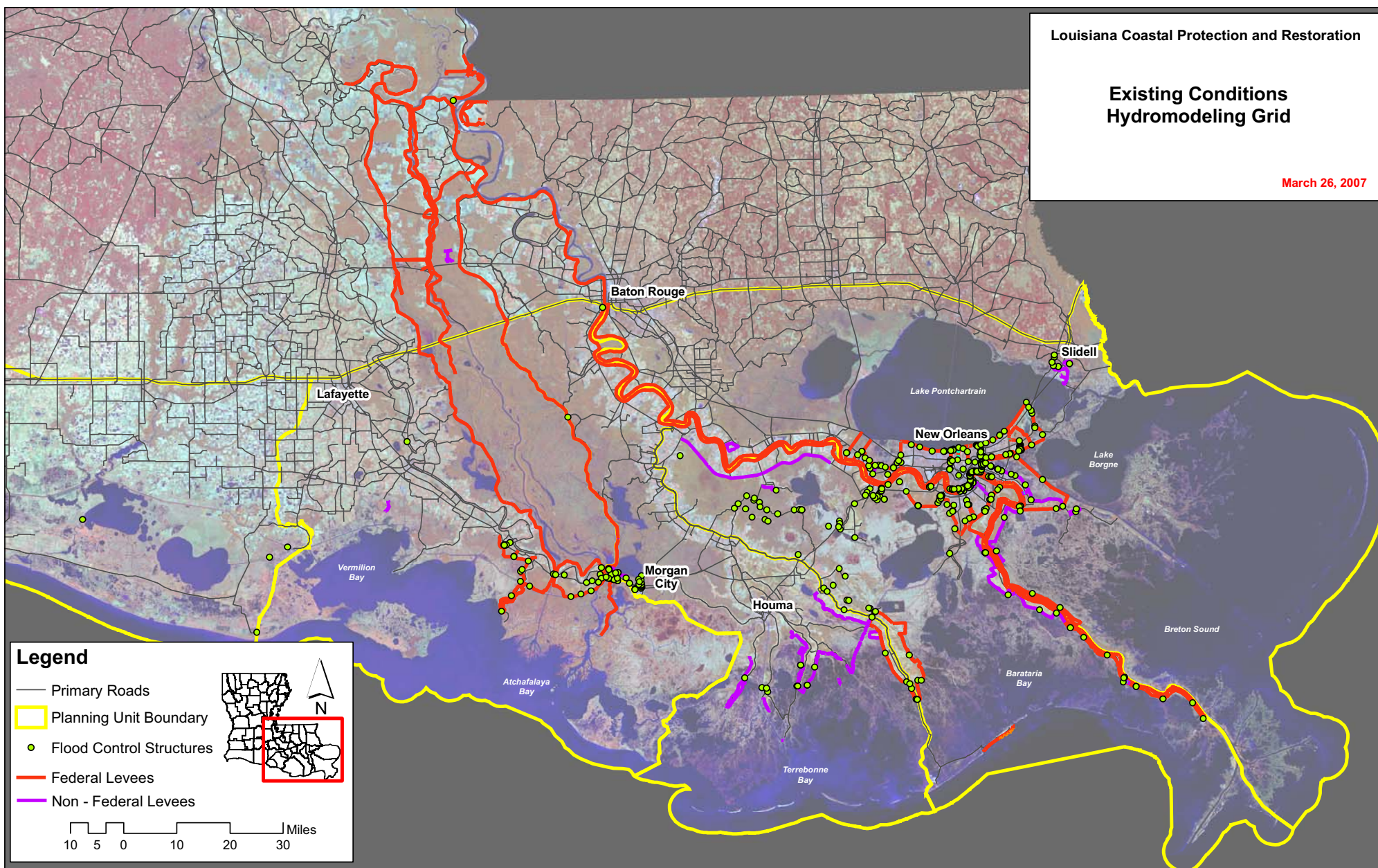
# Hydromodeling Grids

Louisiana Coastal Protection and Restoration – Hydromodeling Grid  
**Existing Conditions**

<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate the existing level of risk reduction prior to the 4 <sup>th</sup> supplemental improvements.	Not applicable
To evaluate Plaquemines Parish alignments and measures.	PL-RL, PL-FL, and PL-EL

## Existing Conditions Hydromodeling Grid

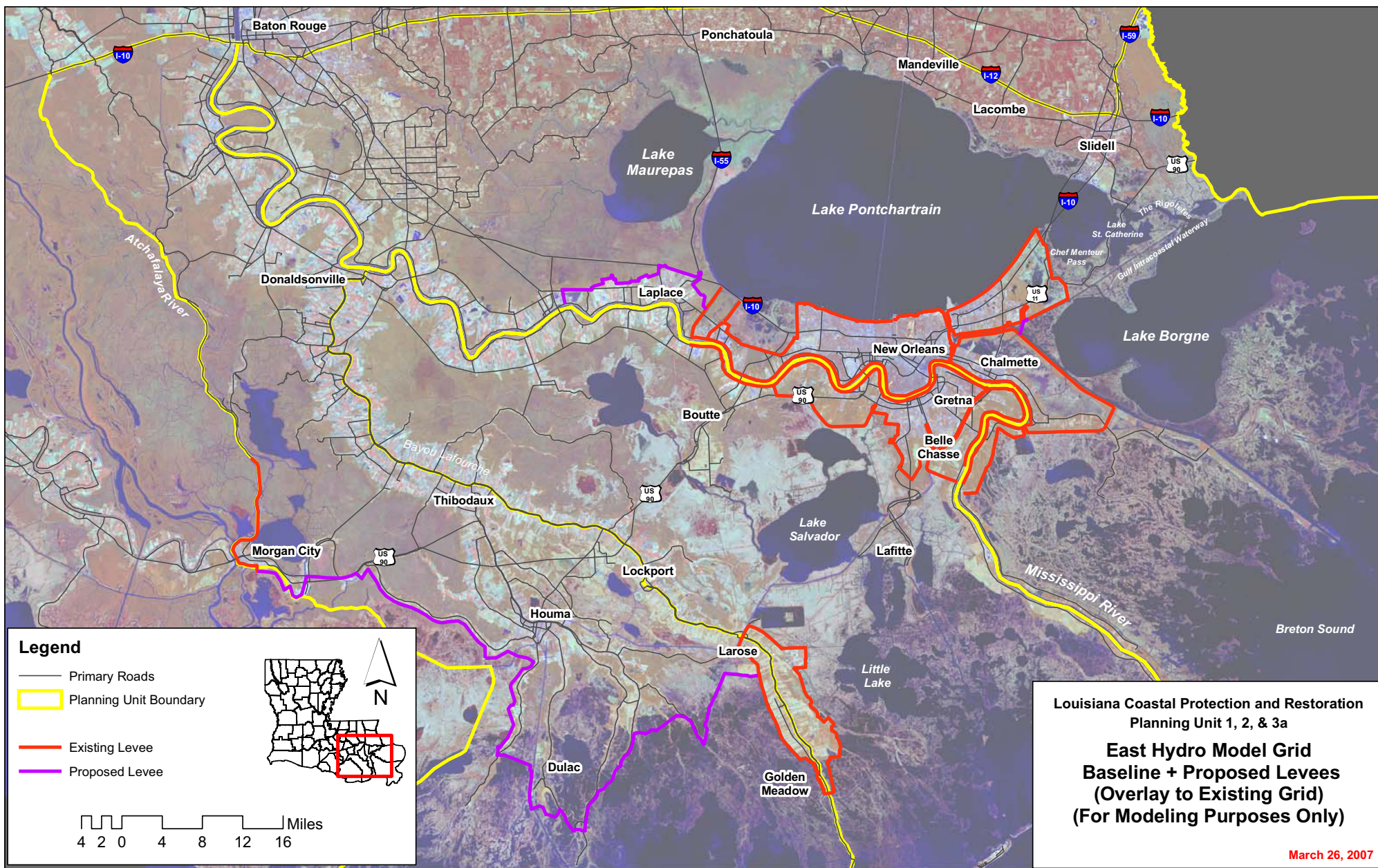
March 26, 2007



Louisiana Coastal Protection and Restoration – East Hydro Model Grid  
**Baseline + Proposed Levees (Overlay to Existing Conditions Grid)**

<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate the LACPR base condition.	LACPR base condition map
To evaluate the Morganza to the Gulf of Mexico Feasibility Study alignment.	All PU3a maps
To evaluate the proposed West Shore Lake Pontchartrain Feasibility Study alignment (i.e. Laplace levee).	All PU1-LP and PU1-HL maps
To evaluate the inundation potential for the Northshore of Lake Pontchartrain (see also Existing Conditions).	All PU1 maps
To evaluate the West Bank and Vicinity project upgrades.	PU2-WBI-1 and PU2-WBI-2
To evaluate the “high level” alignments.	PU1-HL-1a and PU1-HL-1b

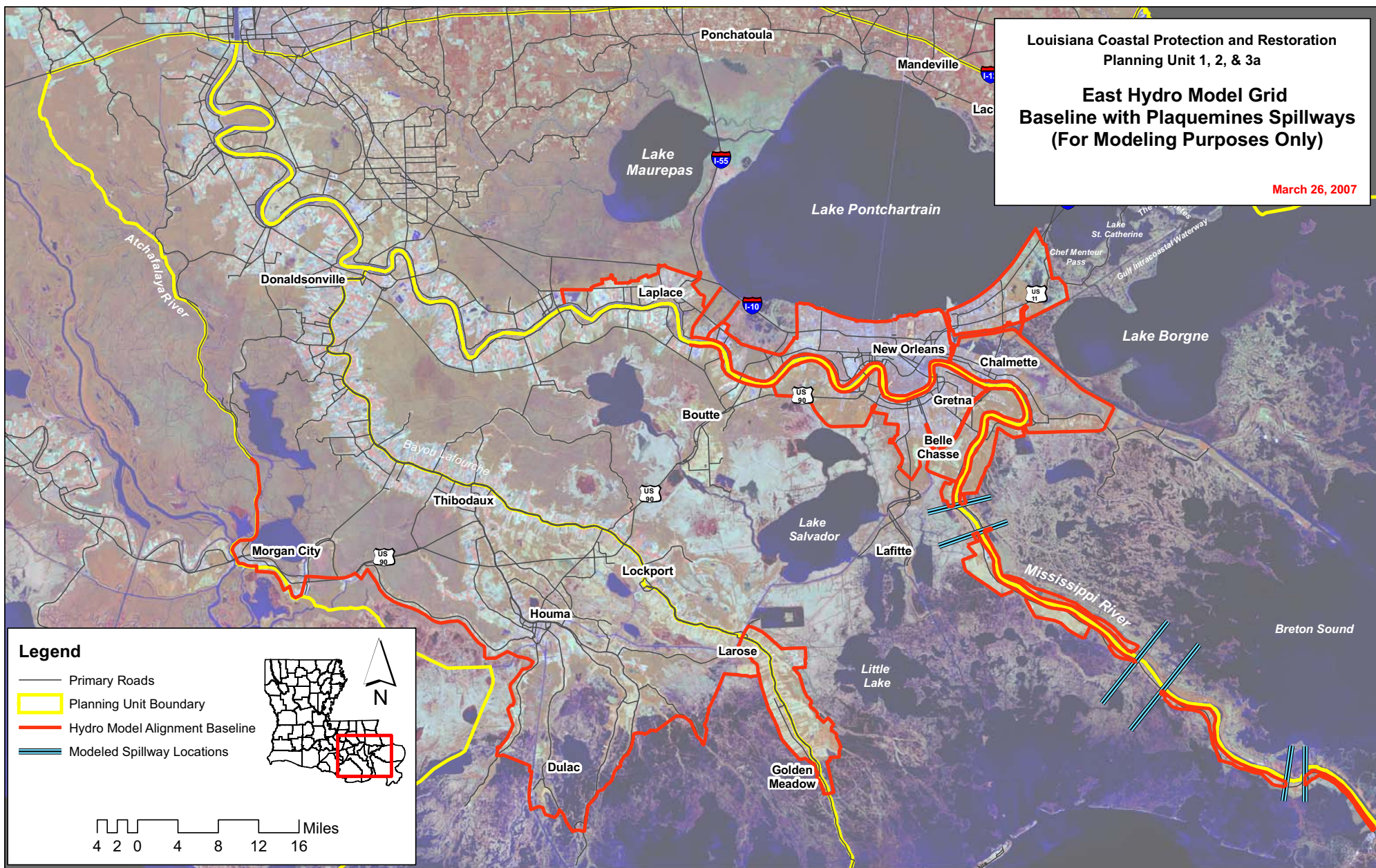




Louisiana Coastal Protection and Restoration – East Hydro Model Grid  
**Baseline with Plaquemines Spillways**

<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate surge reduction potential by creating surge transfers across Plaquemines Parish MR&T levees.	PL-RS





Louisiana Coastal Protection and Restoration – East Hydro Model Grid  
**Grid A**

<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate all Lake Pontchartrain surge reduction alignments except State Master Plan Alternative 3.	All PU1-LP maps
To evaluate GIWW levee alignments in Planning Unit 2.	PU2-G-1, PU2-G-2, and PU2-G-3
To evaluate Morganza to the Gulf non-overtopping levees.	PU3a-M-1 and part of PU3a-M-2

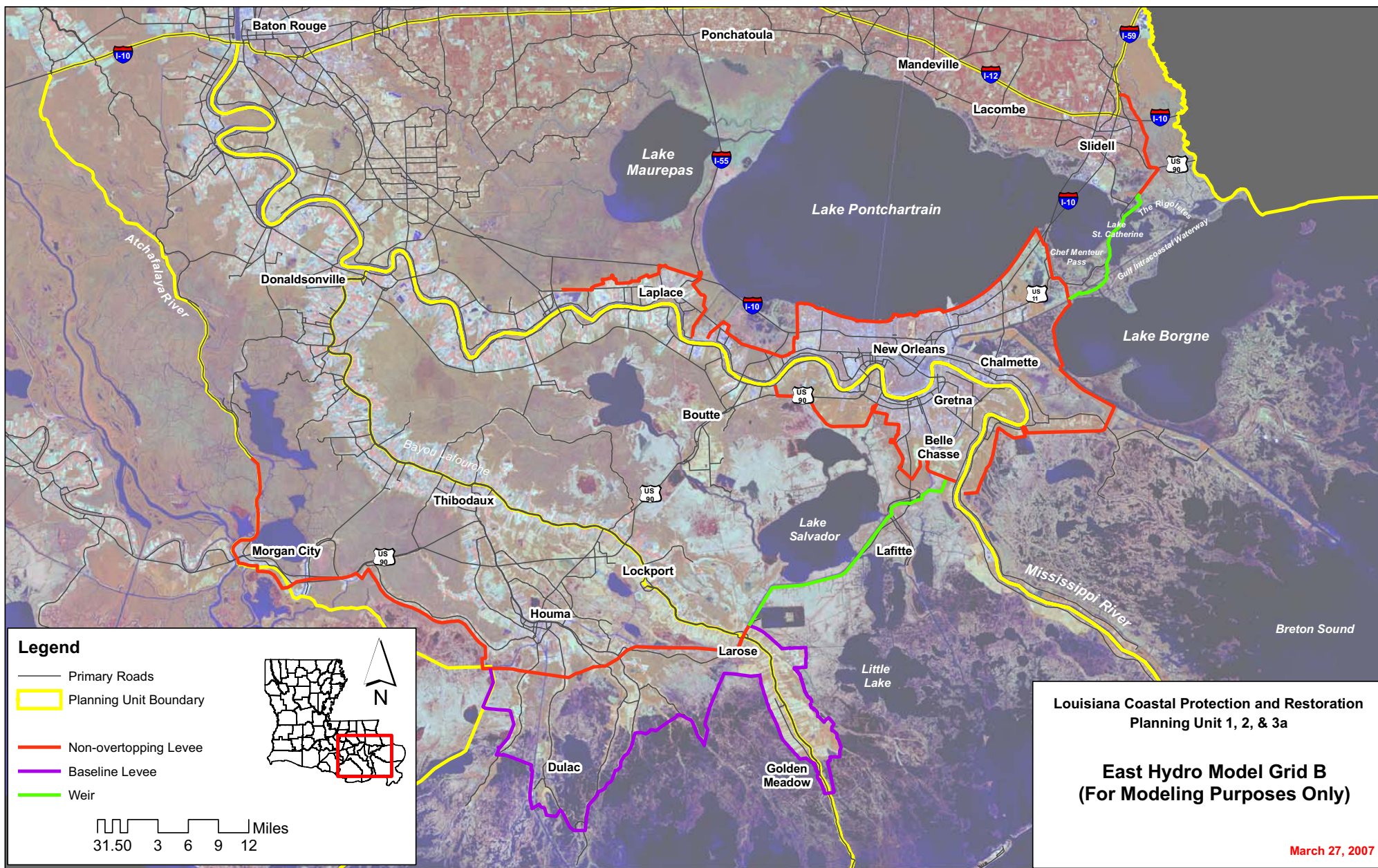




Louisiana Coastal Protection and Restoration – East Hydro Model Grid  
**Grid B**

Purpose	Corresponding Structural Alignment(s)
To evaluate all Lake Pontchartrain surge reduction alignments with weir options.	All PU1-LP maps
To evaluate GIWW levee alignments in Planning Unit 2 with weir options, including State Master Plan.	PU2-G-1, PU2-G-2, PU2-G-3, and PU3a-G-State
To evaluate GIWW alignments in Planning Unit 3a.	PU3a-G-1 and PU3a-G-State

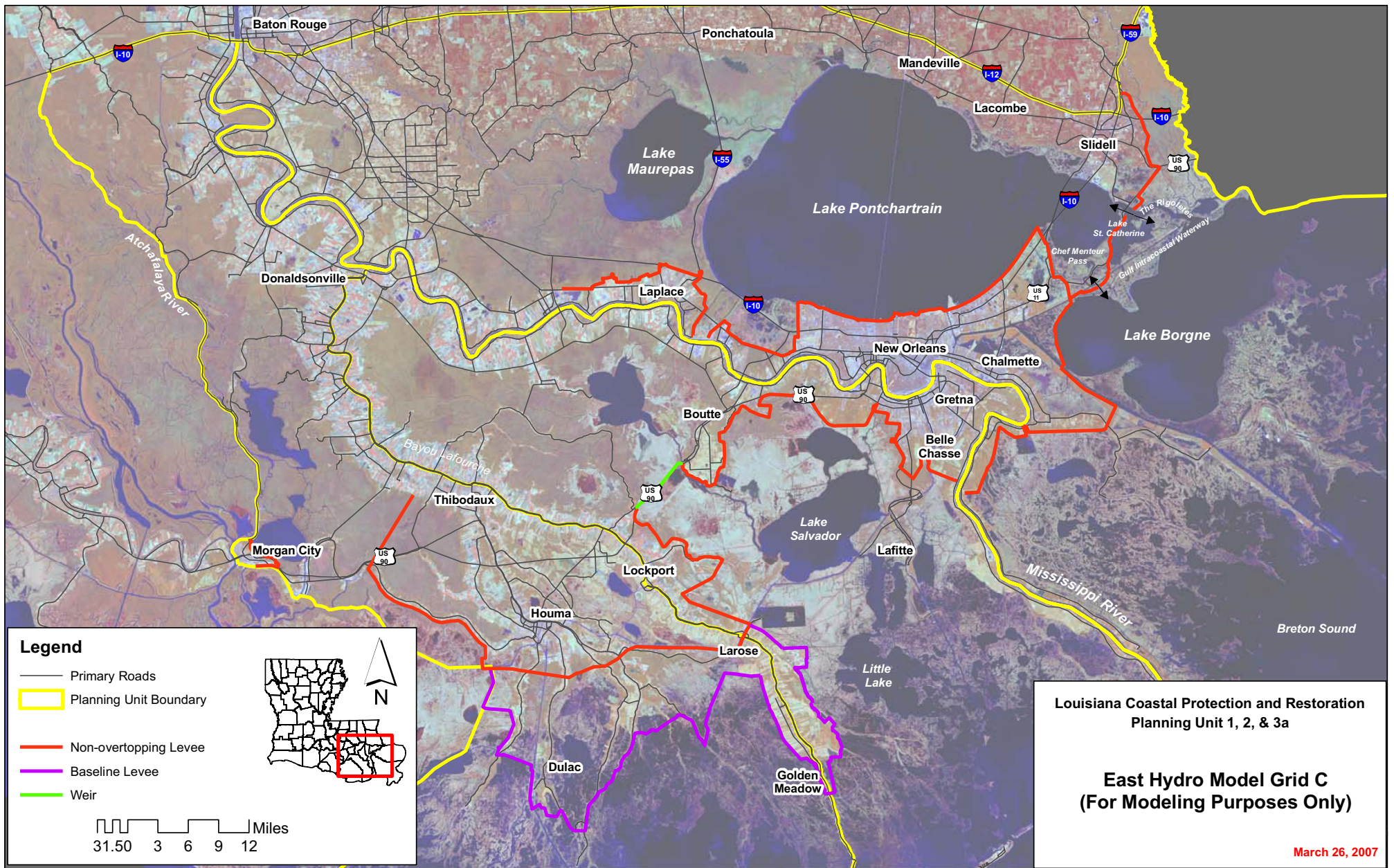






Louisiana Coastal Protection and Restoration – East Hydro Model Grid  
**Grid C**

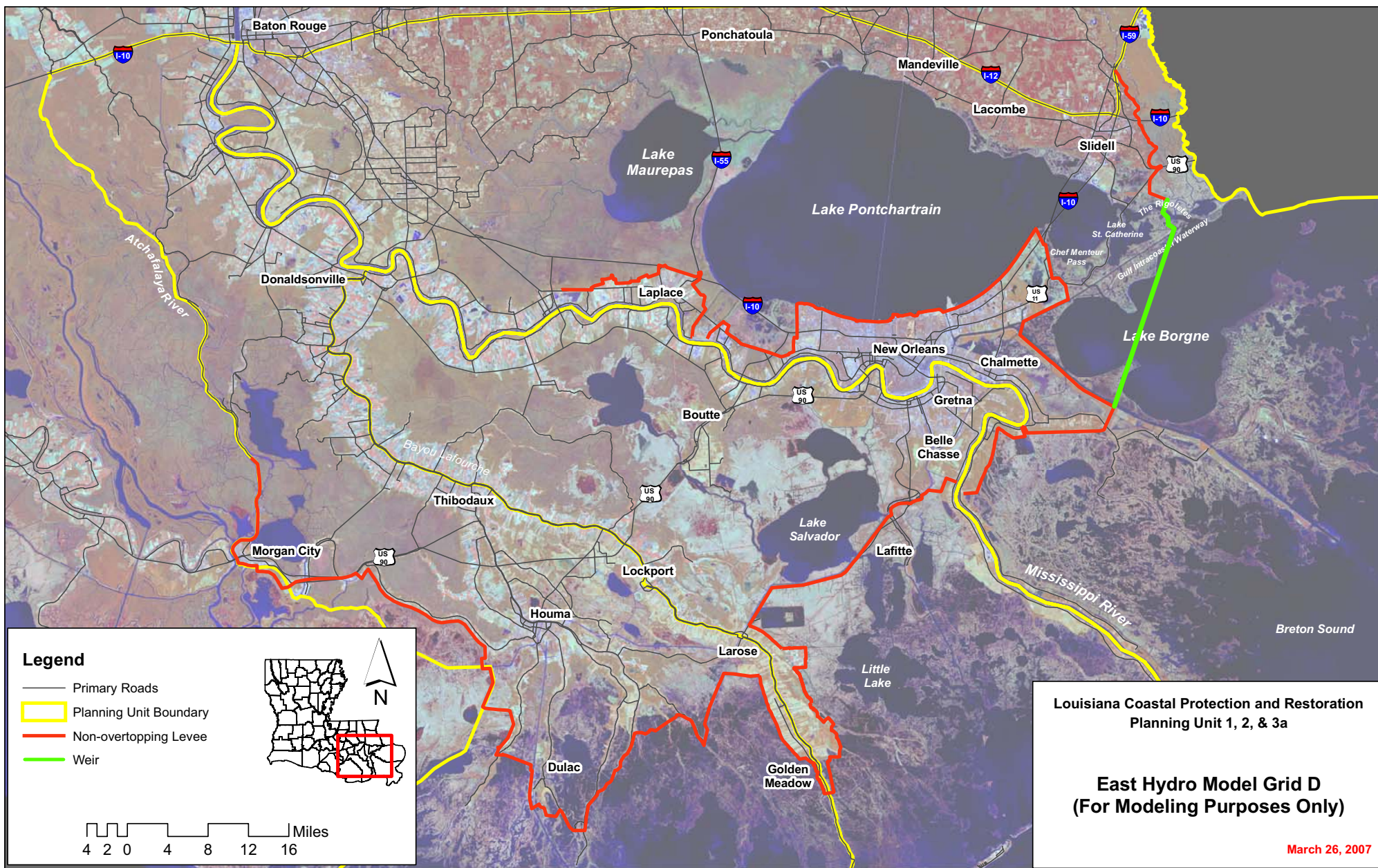
<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate the Highway 90 alignment with and without a weir.	PU2-H
To evaluate all Lake Pontchartrain alignments with open passes.	All PU1-LP maps
To partially evaluate the swamp alignment.	PU2-S
To evaluate the Morganza to the Gulf tie back variation.	PU3a-G-2



Louisiana Coastal Protection and Restoration – East Hydro Model Grid  
**Grid D**

<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate the State's proposed Lake Borgne weir alignment.	PU1-LP-State

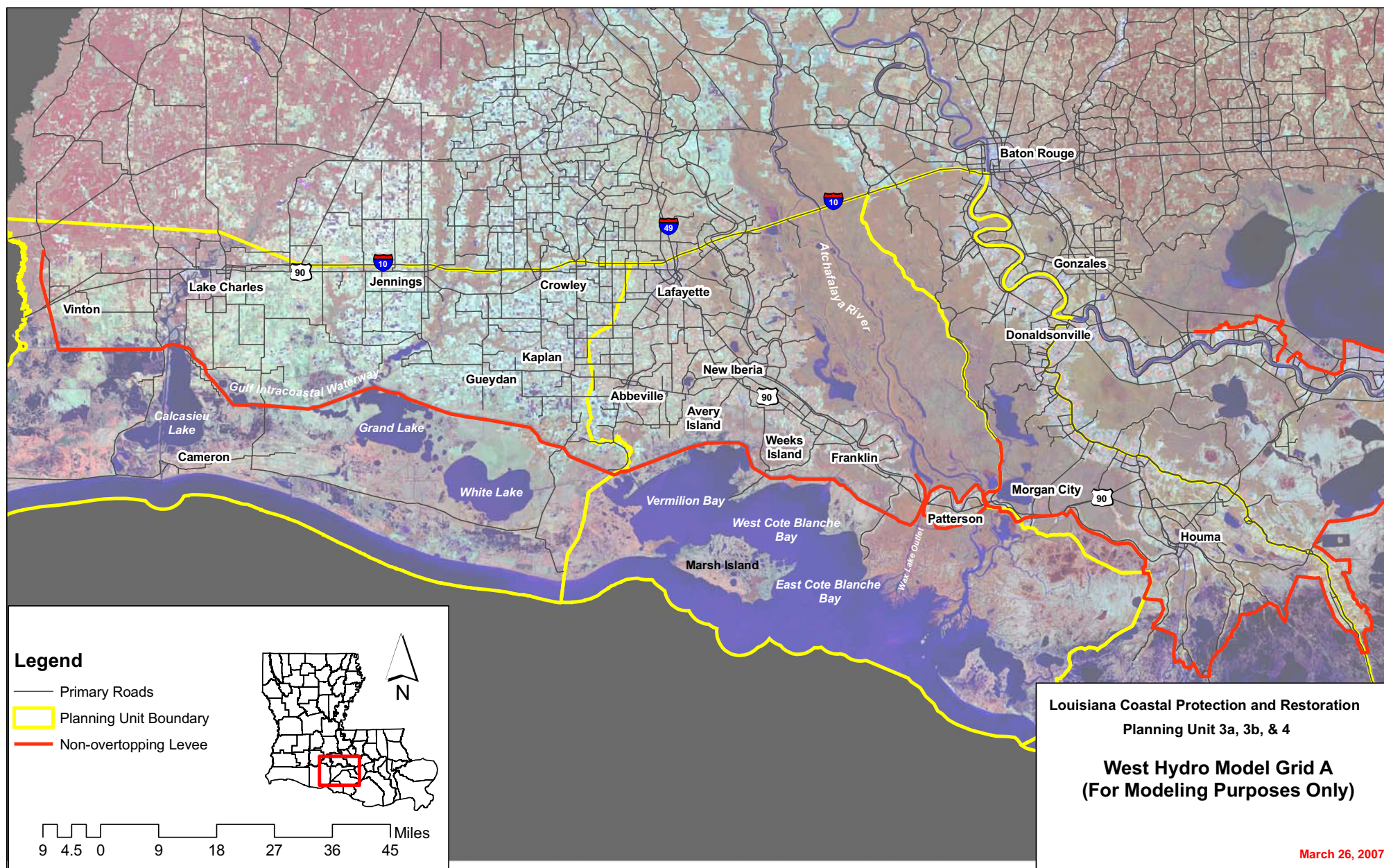




Louisiana Coastal Protection and Restoration – West Hydro Model Grid  
**Grid A**

<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate the GIWW alignments in Planning Units 3b and 4.	PU3b-G-1 and PU4-G

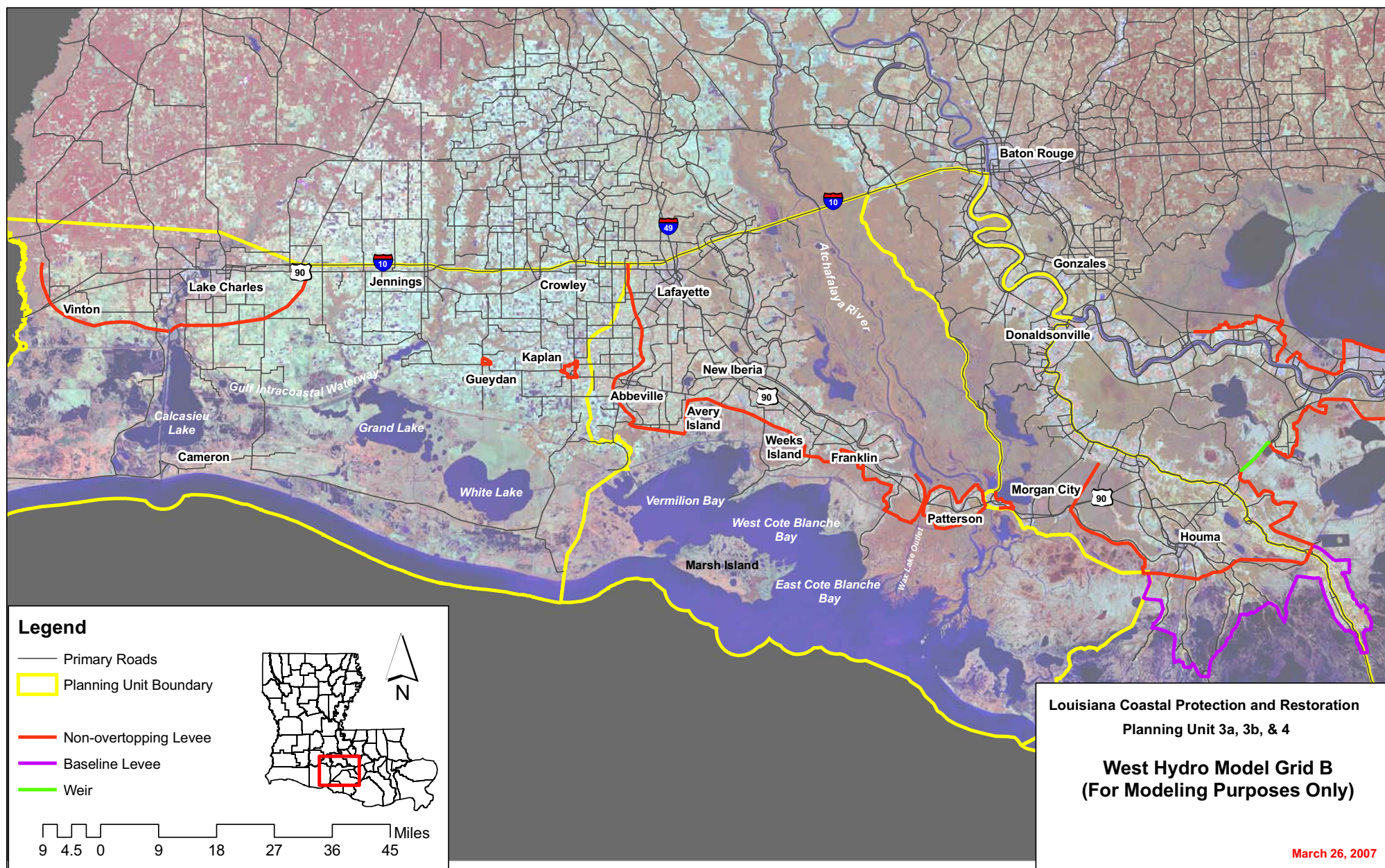






Louisiana Coastal Protection and Restoration – West Hydro Model Grid  
**Grid B**

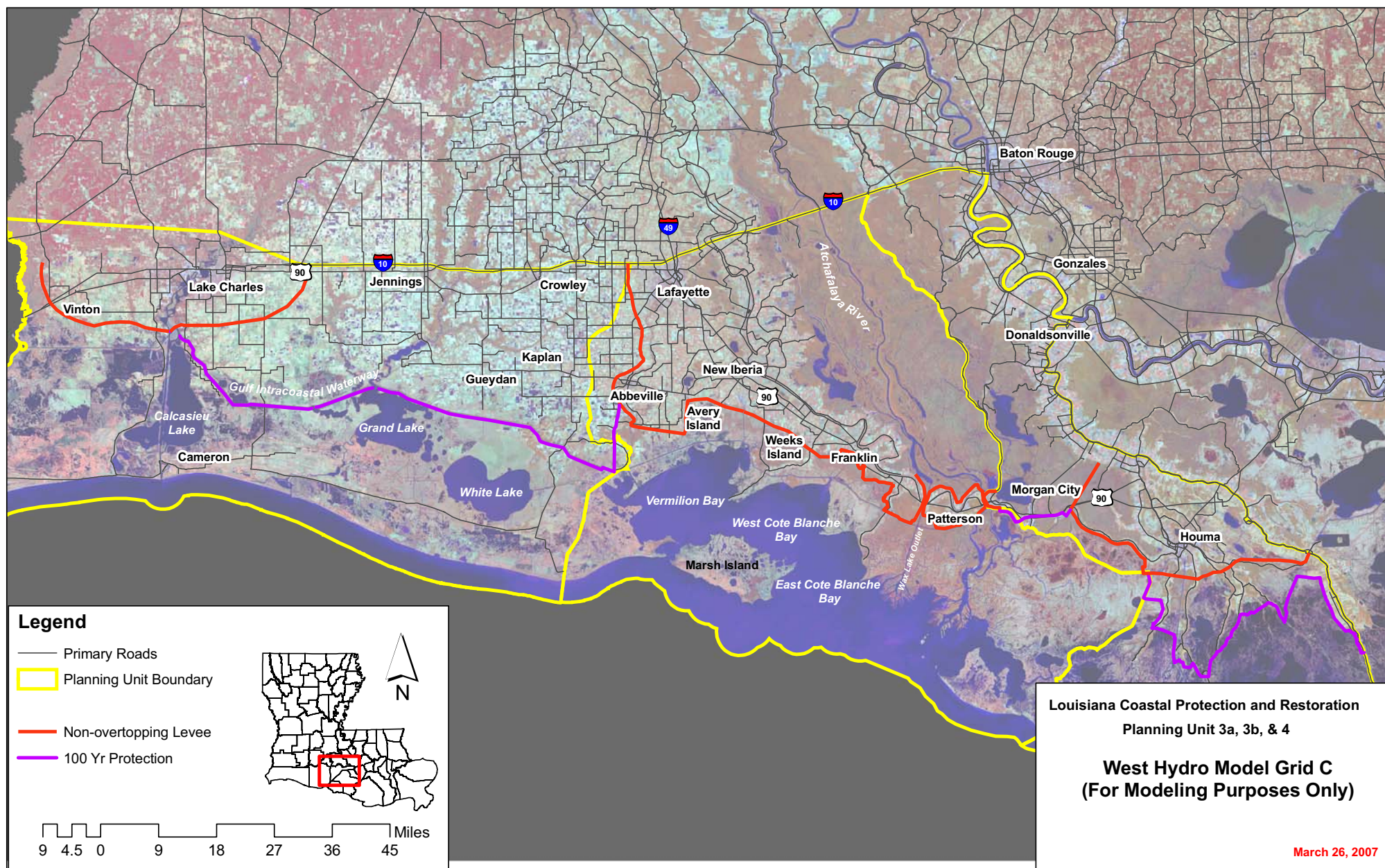
<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate the GIWW alignments in Planning Units 3b and 4.	PU3b-G-1 and PU4-G





Louisiana Coastal Protection and Restoration – West Hydro Model Grid  
**Grid C**

<b>Purpose</b>	<b>Corresponding Structural Alignment(s)</b>
To evaluate the State Master Plan alignments.	PU3b-State and PU-4-State





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